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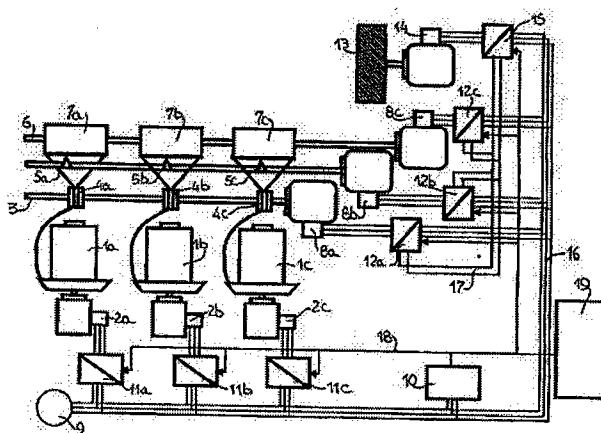
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[continued next page]

(54) Title: DEVICE FOR MANAGING AN ELECTRICAL POWER FAILURE IN, IN PARTICULAR, A YARN
TRANSFORMATION TEXTILE MACHINE

(54) Titre : DISPOSITIF DE GESTION D'UNE COUPURE D'ALIMENTATION ELECTRIQUE DANS UNE MACHINE
TEXTILE NOTAMMENT DE TRANSFORMATIONS DE FILS



(57) Abstract: The device comprises: means for advancing the yarns subjected to the action of motor devices controlled by frequency converters or changers (12a, 12b) supplied by a common direct current bus (17); a monitoring/control system (19) supplied by the same direct current bus; and means for processing the yarns provided in the form of power spindles (1a, 1b, 1c), particularly being subjected to the action of individual motor devices controlled by frequency converters or changers (11a, 11b, 11c). The power spindles (1a, 1b, 1c) are not supplied by the direct current bus, but are self-powered and autonomous. The set of yarn advancing elements are on the direct current bus (17) whose supply is maintained by a flywheel (13) so that the two systems are, in total, electrically independent, and only the value of the ramps of both avoids any voltage fault.

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(57) Abrégé : Le dispositif comprend : - des moyens pour faire avancer les fils assujettis à des organes moteur pilotés par des convertisseurs ou variateurs de fréquence (12a), (12b) alimentés par un bus continu commun (17) ; - un système de contrôle/commande (19) alimenté par le même bus continu ; - des moyens de traitement des fils sous forme de motobroches (1a), (1b), (1c) notamment, assujetties à des organes moteur individuels pilotés par des convertisseurs ou variateurs de fréquence (11a), (11b), (11c) ; - les motobroches (1a), (1b), (1c) ne sont pas alimentées par le bus commun mais auto-alimentées et autonomes ; - l'ensemble des éléments d'avancement des fils sont sur le bus commun (17) qui est maintenu alimenté par un volant d'inertie (13), de sorte que les deux systèmes sont totalement indépendants énergiquement, seule la valeur des rampes de l'un et l'autre évite tout défaut de tension.